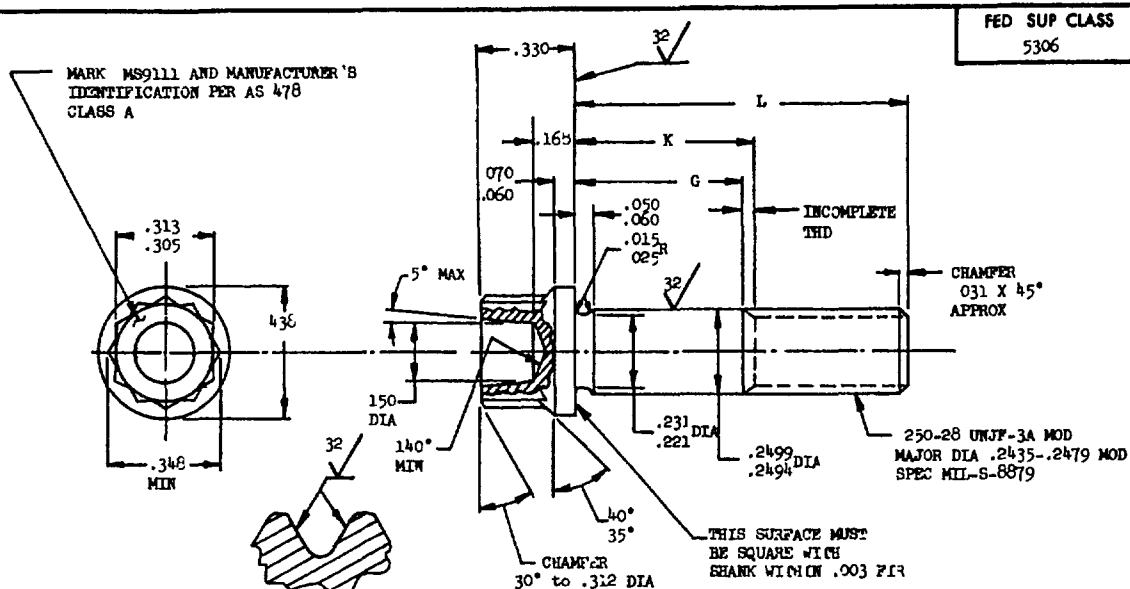


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is standard herein approved by the Department of the Air Force (11) and the Department of the Navy, and is mandatory for use by all military activities are required employ this standard where suitable

MS9111 (ASG)



SECTION THRU THREAD PROFILE

PART NO.	G GRIP	L LENGTH	K MAX	APPROX WGT LB/100	PART NO.	G GRIP	L LENGTH	K MAX	APPROX WGT LB/100
MS9111-01	.125	.562	.206	1.51	MS9111-16	.875	1.500	.956	2.78
MS9111-02	.125	.525	.206	1.58	MS9111-17	.938	1.562	1.019	2.87
MS9111-03	.125	.688	.206	1.66	MS9111-18	1.000	1.625	1.081	2.96
MS9111-04	.125	.750	.206	1.73	MS9111-19	1.125	1.750	1.206	3.13
MS9111-05	.158	.812	.269	1.82	MS9111-20	1.250	1.875	1.331	3.31
MS9111-06	.250	.875	.331	1.90	MS9111-21	1.375	2.000	1.456	3.46
MS9111-07	.312	.938	.393	1.99	MS9111-22	1.500	2.125	1.581	3.66
MS9111-08	.375	1.000	.455	2.06	MS9111-23	1.625	2.250	1.706	3.84
MS9111-09	.438	1.062	.519	2.17	MS9111-24	1.750	2.375	1.831	4.01
MS9111-10	.500	1.125	.581	2.26	MS9111-25	1.875	2.500	1.956	4.19
MS9111-11	.562	1.188	.643	2.34	MS9111-26	2.000	2.625	2.081	4.36
MS9111-12	.625	1.250	.706	2.43	MS9111-27	2.125	2.750	2.206	4.54
MS9111-13	.688	1.312	.769	2.52	MS9111-28	2.250	2.875	2.331	4.71
MS9111-14	.750	1.375	.831	2.61	MS9111-29	2.375	3.000	2.456	4.89
MS9111-15	.812	1.438	.893	2.69					

- SHANK SHALL BE STRAIGHT WITHIN .0015 FIR PER INCH OF BOLT LENGTH.
- SHANK SHALL BE CONCENTRIC WITH THREAD PD WITHIN .006 FIR, WITH THREAD MAJOR DIAMETER WITHIN .001 FIR, AND WITH WASHER FACE DIAMETER AND DOUBLE HEXAGON WITHIN .013 FIR.
- MATERIAL CORROSION AND HEAT RESISTANT STEEL AMS 5731
- MANUFACTURING SPECIFICATION AMS 7477
- SURFACE ROUGHNESS AS 291, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.
- PART SUBJECT TO FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSION IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
- DO NOT USE UNASSIGNED PART NUMBERS

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P.A. USAF - 11
Other Cust
Navy - WP

TITLE
BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD,
CLOSE TOLERANCE SHANK, AMS 5731,
.250-29 UNJF-3A

MILITARY STANDARD
MS9111 (ASG)

PROCUREMENT SPECIFICATION
SUPERSEDES:

SHEET 1 OF 1

REVISED

APPROVED 11 JAN 65